

Future Frequencies

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PREPARED FOR



Brave New World

Frequency 1.0

Brave New World

Futures Lab "You must have chaos within you to create a dancing star."

Frederic Nietzsche

Frequency One

Brave New World

No "Back to the future"

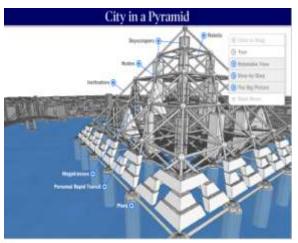
- Breakthrough ideas
- Past restrictions narrow our lens
- Find solutions in totally new formats
 Re-contextualizing / Expanding potential
- Envisioning hostile territories
- Recognizing the dialectic of progress
- Simplified translations / illustrations



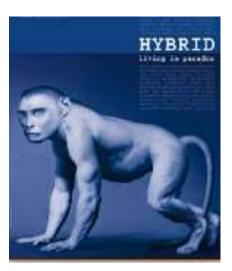


Frequency One Brave New World

- Subvert assumptions
- ⇒ Peel away the surface experience
- Revisit values and signifiers
- Reconstruct reality, paradoxes, hybrids
- Change perspective and conceptual relevance
- Add events and potential wildcards







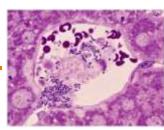


Frequency One Brave New World

- Globalization and global collaboration
- The new economic order
- Community vs. commodity
- ⇒ Nanotechnology & Medicine

QuickTime™ and a TIFF (LZW) decompressor are needed to see this picture





- Biotech ethics & morals -
 - 'remind ourselves we are human'
- Growing creative class

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Frequency One

Brave New World

- Learning from new social realms
- Social transmutes communications to entertainment / arts
- → Added geospatial features ambient support
- Sharing our experiences across the globe in real time
- ⇒ Redefinition of friends, families, anchors









Frequency One

Brave New World

→ Mobility: Time and Place-shifting Towards telepresence



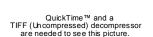


- Interactive architecture

Mapping culture: annotated lives Engaging the environment













Frequency One Brave New World

- Digital and media convergence
 - Triple/quad delivery (internet, IPTV, VOD, Audio)
 Music from fusion of PDA, GameBoy, PC, MIDI

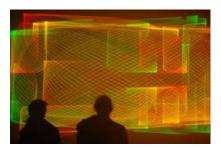




→ New visualization - Lasers & holograms







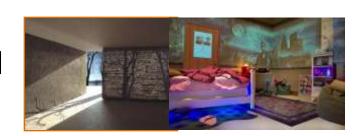




Frequency One

Brave New World

Home - from "net zero" to networked



- Enhanced nature
- New energy sources
 - Enzymes that produce hydrogen or nitrogen







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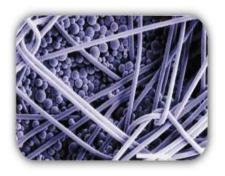


Frequency One

Brave New World

- Reinvention of everyday objects and materials
- Nanoscale machines
- Robotics and AI
- Security





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"How will you live differently in 2015?"



The Human Highway



Frequency 2.0

The Human Highway



"If you ever get close to a human and human behavior be ready to get confused, There's definitely no logic, no map to human behavior, but yet it is so irresistible."

- Bjork, Human Behavior

Frequency 2.0

The Human Highway



"We live differently and pursue new lifestyles, because we see ourselves as a new kind of person."

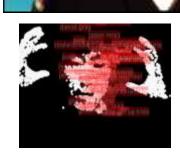
- Joel Mokyr: The Lever of Riches

The Human Highway

New Anchors



- Multiple identities and virtual humanity
- New archetypes and metaphors
- Self agency and Self organization









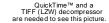


The Human Highway

- Redefining Life stages
 - -The end of the "three box theory"
 - Working into our 70s



- Postgender
- Wellness and Life extension Timeship
- Upskilling.



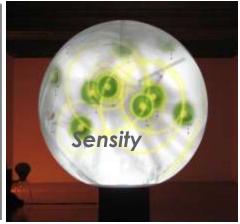




The Human Highway

- The search for meaningful experiences
- context-sensitive experience that fuses their sensory energy and ability to engage identity-building, exploration / self-improvement
- Human dynamics and emotion modeling
- affective and cognitive perception, feedback and awareness modeling social interfacing and feedback -creating behavioral identities
- My ecological integration
 - "Green is the new Black"
- Opportunities to create and conti







The Human Highway

New relationships with cele



Totally insignificant stuff taken very, very seriously.

- The Lifespan of Celebrity
- → Reality TV

Josh Groban



New Media Genre's

Amanda Congdon

Adam Curry - "Pod Father"



(star) .



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The Human Highway

- ⇒Enhanced human potential
 - physical and cognitive
- ◆Artificial Intelligence and Human Machine Interfaces
- →Affective social software:
 - human touch and senses
- **⇒** The Singularity





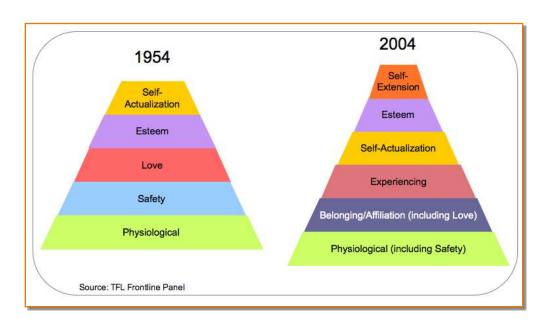




The Human Highway

- Search for self-extension
 - Adapting to a deeper sense of self
- **⇒** A Remix lifestyle

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"How will changing mindsets impact your business?"



Beyond Thinking Systems



Frequency Three

Beyond
Systems
Thinking



"One man's magic is another man's engineering."

- Robert Heinlein

Frequency Three

Beyond thinking Systems

- Faster not harder
- Multiple levels simultaneously
 - Fusing of our eight intelligences
- Non-linear / Dimensions not units
 - 3D thinking
- Access not retention
 - the external brain
- Connected and willing to share
- Finding fresh contextual relevance

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This is not about paradosyms or after eges. That's already been done. Think of this book as an exploration of the cold legic of the surface. Ice: Ecr isn't fast ion in this pioners: it's iss subed, the 'changing came" beamood against itself on the cold surfaces people create when they name themselves, coul as Road.





Frequency Three

Beyond thinking Systems

Concept engineers: a new tool kit

- Mutate
- Rethink
- **⇒** Spin
- Migrate
- → Transform
- Simulate
- Displace
- Fuse
- Translate





Frequency Three Beyond thinking Systems

Opportunity hacking:

- White spaces
- Black holes
- Hidden worlds
- Missing colors
- Unusual perspectives
- Reversed focus
- Paradoxes
- Hybrids

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Frequency Three Beyond thinking Systems

- Finding comfort in discomfort
- ➡ Non-conventional and non-linear
- Fracture, impact points and disruption

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Frequency Three

Beyond thinking Systems

- Rhizomatic thinking
- Transformation
- Emotionally intelligent computing





"How can you change your way of thinking and what would that add to your work?"



The Sense Event



Frequency Four

The Sense Event



"At a live gig in the future, when we hear a guitar we shouldn't expect to see a quitar. The Law of Least Effort will be applied to music:Small input, massive output."

- Kodwo Eshun

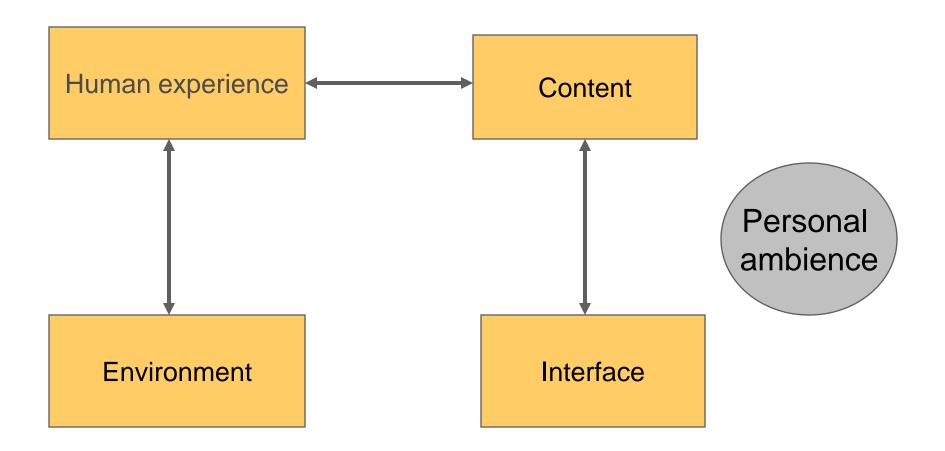
The Sense Event

- → Ambient, immersion, telepresence
- Augmented multi-media and new tech engagement
- Seamless movement from virtual, to physical, to virtual
- Interactive and collaborative
- Seamless fusion between entertainment arts and communication, both real and virtual
- Augmented reality Experiensualism
- Simplicity





Frequency Four The Sense Event

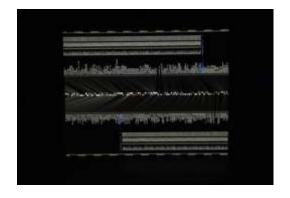




Frequency Four The Sense Event

Ryoji Ikeda focuses on the minutiae of ultrasonics, frequencies and the essential characteristics of sound itself, sometimes termed the *invisible multi-substance*.





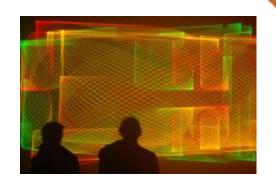


Then there's the audiovisual concert from Staalplaat Soundsystem's project *Yokomono*.



Frequency Four The Sense Event

➡ Visual music with sensors and gestures. Sensors capture gesture and corporeal movement, translating them into digital data.



➡ Ultrasound sensors measure the distance between the performer's hands and her machine, allowing the performer to articulate 3D imagery.







⇒ e-Spotting is a music/Internet on-stage performance in which the world's emotions are the musical instruments.

➡ Maurice Benayoun and Jean-Baptiste Barrière play the maps of the emotions extracted in real time from the Net. On stage a big screen displays the mixing of the maps of different emotions.



- **○** New Interfaces for Artistic Expression
 - Gesture Recognition
 - Smart Tags
 - Gaming Interfaces
 - → Haptic Feedback/Touch
 - Relative position sensing
 - Gravity











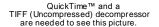


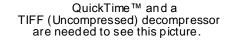
interactive architecture





- Recording our inner sound
 - Robotica
 - Soundtoys
- Playing a part in society's symphony
 - Sonic City





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- Personalized environments
- Bio / Collaborative emotion mapping

Re-contextualizing behavior

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Fusion of the old and the new: Old tools, new uses: From 8 bit artists to NES visualization engines

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- Collaborative and DIY Tools
- Web jamming
- ➡ Forms from Convergent Technologies [PDA, GameBoy, PC, MIDI]
- Hyperinstruments
- New instruments for Children [BeatBugs]





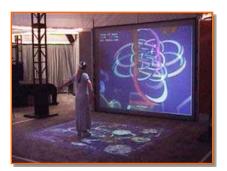
- Experimental Geography
- Nano art
- **⊃** CCTV
- Interactive spaces

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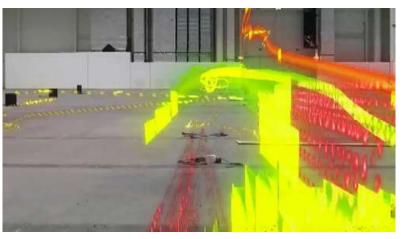
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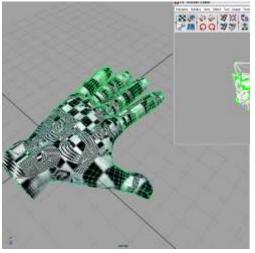




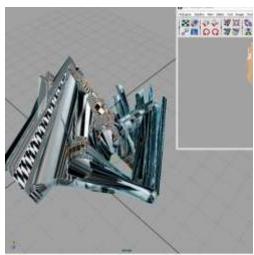


- **⇒** 3D Graffiti
- Responsive











"Which emerging art forms could you successfully introduce to your programs?"



Frequency Five

Art in Action



"Creating audience interaction is about hooking in to every format of memory we have thought about and then thinking about how we can describe the experience."

- DJ Spooky

Frequency Five

Art in Action



"The time of getting fame for your name on its own is over. Artwork that is only about wanting to be famous will never make you famous. Any fame is a bi-product of making something that means something. You don't go to a restaurant and order a meal because you want to have a sh*t." - Banksy

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Persuasion - delivering cognition of the possibilities bio art, eco art, dealing with sustainability, democracy, etc.

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- Education: from math to Mongolia
- Whose democracy? (Banksy, downloads, creative commons, blogs)
- Archiving the future

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- Hybrid reality
- Sonic interpretation of extreme events and environments
- Sensory memory systems and wildcard bubbles

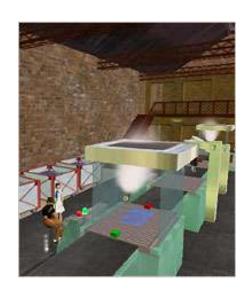






Second Life Sweatshop art

Invisible Threads a virtual sweat shop that exists only on Second Life, yet produces real-life, customordered, personalized blue jeans.



"Invisible Threads is intended as art, but they see it as a window into so-called telemetric manufacturing methods of the future."



A new generation of creatives

- UK's 'Find Your talent' Five hours of culture a week
- Reconnecting learning with communities
- New learning environments learning centers
- Multiple educational providers

Play the Critic –Sixth Form students develop critical thinking and writing skills by teaching them how to write theatre reviews, under the guidance of professional theatre critics.







- OOKL' project mobile phones facilitate a new museum education experience where pupils can become 'personal curators', capturing, interpreting and sharing their own museum collections.
- ➡ Free in-school workshops instructed by business world professionals -Maine Media Arts Project (Workshops include: Digital Storytelling, Animation for Beginners (3rd-4th grade), Introduction to animation (5th-8th grade))





Open source - inspiring innovation

Electorlux student design awards 2007

100's of design students from around the globe entered the competition, presenting their ideas on environmentally friendly household appliances and solutions for the year 2020.



The winning design, from Levente Szabó of Moholy-Nagy University of Art & Design in Hungary, was a compact washing machine that uses soap nuts instead of detergent.



"What new programs could you introduce that would deliver a clear positive future?"

Arts management & income streams

Art
Management
and Income
Streams

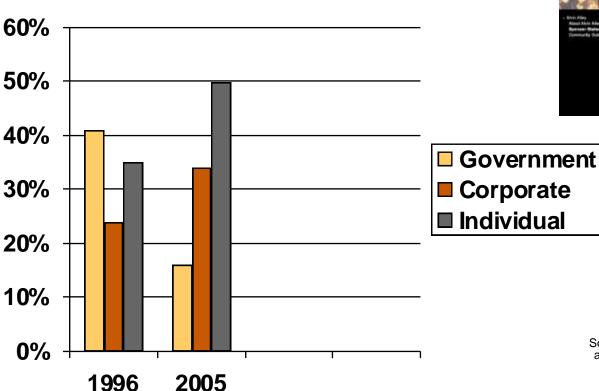


"Creative entrepreneurs are no longer taking the nonprofit model as a given and instead are working through a variety of temporary and hybrid structures that best support their work"

Critical Issues Facing the Arts in California: A Working Paper from the James Irvine Foundation (AEA Consulting, 2006)

Art Management and income streams

Privatization of funding





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"Smart organizations are creating new marketing strategies, changing programs, rethinking organizational structures and board composition...all in an attempt to reach new audiences"

Joan Spero, President of the Doris Duke Charitable Foundation

Art Management and income streams

- 11 new foundations and 119 nonprofits created every day in U.S - 100,000 foundations by 2020
- New generation of philanthropists 3 trillion dollar inheritance from baby boomers
- Individual Americans gave \$13.5 billion to arts and humanities in 2005
- ⇒ \$1.7 trillion estimated to be given to charity 1998- 2017





Art Management and income streams

- Collaborative tools, open source and affective data sharing, convergence of CRM, enterprise, and communications middleware
- Power of software agents, autonomous agents, etc.
- Growth in comprehensive strategic marketing
- Compromise with donors
- New multi-format advertising spaces





Art Management and income streams

- Tapping into, integrating and leveraging peer / artist generated content
- Digital democracy on the dance floor
 - 4,000 people danced for 2 hours in rush hour at Victoria station (April 2007)
- Current TV
- MessageQuest: narrative construction
- Wikinomics: Mass collaboration



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Art Management and income streams

New Business Models

- New definitions of how art art is produced distributed create new cost dynamics leading to less need for subsidies
- Ownership redefined as donors have more influence over what institutions own, i.e Eli Broad's collection
- Luxury brands and new sales structures, i.e Damien Hirst's 'Other Criteria' chain of stores







Art Management and income streams

Electric Poetry - mobile projections - fluid sponsorship

A web interface for constructing poems to be broadcast in realtime on the walls of London's underground stations, for London Transport's Platform for Art

Similar to the popular fridge game, people assemble words into poems which then appear in public or commercial spaces around the city

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Art Management and income streams

- Overcoming the leadership gap the graying of the patrons and donors for traditional arts integrate Xers and millennials with innovative programs and membership drives -"emerging leaders initiative"
- Power of having celebrities on board
- Theater communications and mentoring groups (Illinois, Duke/Mellon, MAP, San Diego, etc.) - sabbatical grants
- MAM and MEIT from Carnegie Mellon / Global
- Staying relevant, understanding the shifts from classical to progressive: ICA, DIA, V2, Sage, Gateshead etc.











Art Management and income streams

Rich Mix – community links bridging cultures and disciplines

- Focus for the arts, culture, music, heritage, fashion, food, architecture, design, ideas and technology within a single building
- Nurturing talent by providing training, mentoring and employment opportunities for disadvantaged young people
- Forum for the exchange of expertise and resources





3- screen cinema
Exhibition center
Event spaces
Café
Broadcasting center - BBC
Music studios
Performance venue
Education and workspaces

Art Management and income streams

ICA - Community

 bar and café, seminars and talks, courses, exhibitions, bookshop, reading room music nights with dj's and bands, film, live and media arts



founding president Herbert Read describing ICA at its inception





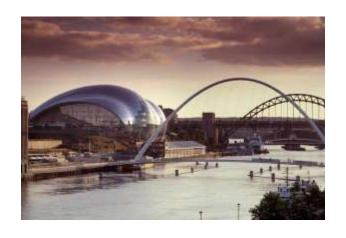




Art Management and income streams

Urban pioneers: building social connections, neighborhood revitalization, community identity

Artspace: Sixty-five live/work units in Monterey - 2010







Art Management and income streams

Bringing real life design concerns and expertise to and from the virtual world

Potential of virtual space to complement and substitute exhibitions and performances

Ten Cubed designed by Bennet Dunkley

"With Ten Cubed we want to show
the gallery world - museums, galleries
and exhibition space of all kinds
- what high quality design can achieve
in the way of improving on functional
performance of galleries - Peter Dunkley





Art Management and income streams



⇒ Produced \$95 million and the event was directly responsible for bringing \$18 million to the Austin economy in 2007. The indirect contribution came in around \$77 million

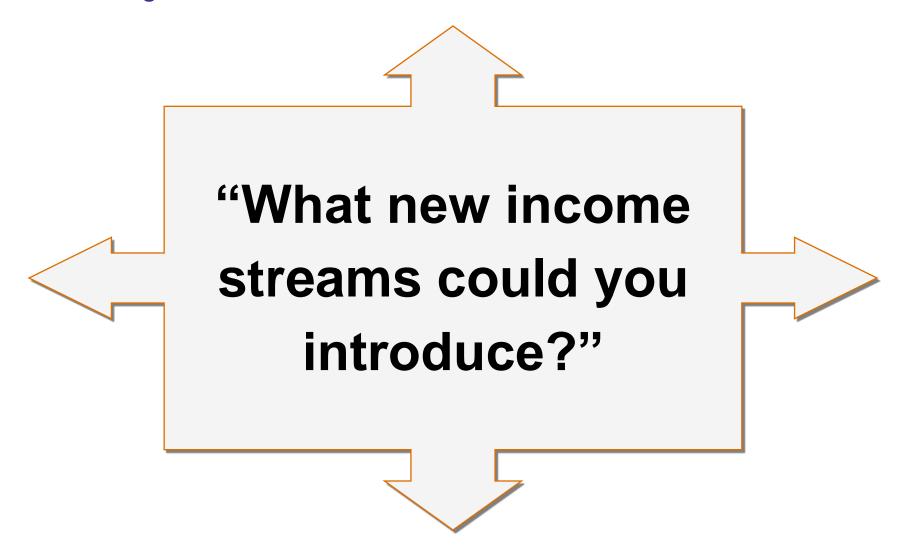








Art Management and income streams



Conclusion

The next frontier



"Art and artists help us understand ad even define the spirit of an era." - Howard Gardner

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